Effects of Therapeutic Hypothermia

Content Outline

1. Physiologic Effects of Therapeutic Hypothermia
   1.1 Cardiovascular
   1.2 Respiratory
   1.3 Metabolic
   1.4 Cerebral
   1.5 Hematologic
   1.6 Gastrointestinal & renal
   1.7 Pharmacokinetics & pharmacodynamics

2. Monitoring & Managing Neonatal Morbidities during Therapeutic Hypothermia
   2.1 Ventilation & blood gases
   2.2 Cardiovascular morbidities
   2.3 Hematologic morbidities
   2.4 Renal adverse effects
   2.5 Skin complications
   2.6 Managing nutritional support, fluids & electrolytes
   2.7 Problems of “overcooling” and during the rewarming phase
   2.8 Managing sepsis
   2.9 Drug therapy and metabolism during treatment

3. Subcutaneous Fat Necrosis as an Adverse Outcome of Therapeutic Hypothermia

Reading Material Resources

**WB1812 Effects of Therapeutic Hypothermia** is based on the resources listed below. A copy of the resources are included with the module.


An emerging adverse outcome of therapeutic hypothermia in neonates, Abbas A and Mannon K, *Pediatric Neurology*, (65) 2016, 93